

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W. WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

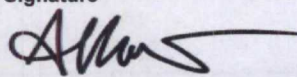
Paperwork Reduction Act Notice: The Public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPP Information Management Division (2137)U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date August 29, 2012	EPA Reg. No./File Symbol 89285-R	Page 1 of 4
Applicant's/Registrant Name and Address Isagro USA, Inc. 430 Davis Drive, Suite 240 Morrisville, NC 27560	Product IR9804	

Ingredient Allyl isothiocyanate

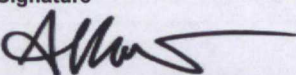
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OCSPP 880.1100	Product Identity and Composition	488241-01	Isagro USA, Inc.	OWN	
OCSPP 880.1200	Description of Starting Materials, Production and Formulation Processes	488241-01	Isagro USA, Inc.	OWN	
OCSPP 880.1400	Discussion of the Formation of Impurities	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.1700	Preliminary Analysis	488241-02	Isagro USA, Inc.	OWN	
OCSPP 830.1750	Certified Limits	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.1800	Enforcement Analytical Method	488241-01 488241-02	Isagro USA, Inc.	OWN	
OCSPP 830.6302	Color	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.6303	Physical State	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.6304	Odor	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.6313	Stability at Normal and Elevated Temperatures, Metals and Metal Ions	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.6315	Flammability	488241-01	Isagro USA, Inc.	OWN	

Signature 	Name and Title Amy Plato Roberts, Regulatory Agent	Date August 29, 2012
--	--	--------------------------------

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W. WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The Public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPP Information Management Division (2137)U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date August 29, 2012			EPA Reg. No./File Symbol 89285-R		Page 2 of 4
Applicant's/Registrant Name and Address Isagro USA, Inc. 430 Davis Drive, Suite 240 Morrisville, NC 27560			Product IR9804		
Ingredient Allyl isothiocyanate					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OCSPP 830.6317	Storage Stability	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.6319	Miscibility	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.6320	Corrosion Characteristics	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7000	PH	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7050	UV/Visible Light Absorption	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7100	Viscosity	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7200	Melting Point / Melting Range	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7220	Boiling Point / Boiling Range	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7300	Bulk Density	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7520	Particle Size, Fiber Length and Diameter Distribution	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7550, 7560, 7570	Partition Coefficient (n-Octanol/Water)	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7840	Water Solubility	488241-01	Isagro USA, Inc.	OWN	
OCSPP 830.7950	Vapor Pressure	488241-01	Isagro USA, Inc.	OWN	
Signature 			Name and Title Amy Plato Roberts, Regulatory Agent		Date August 29, 2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W. WASHINGTON, D.C. 20460

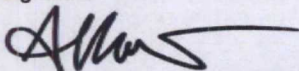
Paperwork Reduction Act Notice: The Public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPP Information Management Division (2137)U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX**Date** August 29, 2012**EPA Reg. No./File Symbol**
89285-R**Page** 3 of 4**Applicant's/Registrant Name and Address**Isagro USA, Inc.
430 Davis Drive, Suite 240
Morrisville, NC 27560**Product**

IR9804

Ingredient Allyl isothiocyanate

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OCSPP 870.1100	Acute Oral Toxicity	488241-03	Isagro USA, Inc.	OWN	
OCSPP 870.1200	Acute Dermal Toxicity	488241-04	Isagro USA, Inc.	OWN	
OCSPP 870.1300	Acute Inhalation Toxicity	488241-05	Isagro USA, Inc.	OWN	
OCSPP 870.2400	Primary Eye Irritation	488241-08	Isagro USA, Inc.	OWN	
OCSPP 870.2500	Primary Dermal Irritation	488241-06	Isagro USA, Inc.	OWN	
OCSPP 870.2600	Dermal Sensitization	488241-07	Isagro USA, Inc.	OWN	
OCSPP 870.3100	90-Day Oral	488241-08	Isagro USA, Inc.	OWN	
OCSPP 870.3250	90-Day Dermal	488241-08	Isagro USA, Inc.	OWN	
OCSPP 870.3465	90-Day Inhalation	488241-08	Isagro USA, Inc.	OWN	
OCSPP 870.3700	Prenatal Developmental	488241-08	Isagro USA, Inc.	OWN	
OCSPP 870.5100	Bacterial Reverse Mutation Test	488241-08	Isagro USA, Inc.	OWN	
OCSPP 870.5300, 5375	In vitro Mammalian Cell Assay	488241-08	Isagro USA, Inc.	OWN	

Signature**Name and Title**

Amy Plato Roberts, Regulatory Agent

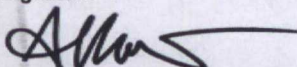
Date

August 29, 2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W. WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The Public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPP Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date August 29, 2012			EPA Reg. No./File Symbol 89285-R		Page 4 of 4
Applicant's/Registrant Name and Address Isagro USA, Inc. 430 Davis Drive, Suite 240 Morrisville, NC 27560			Product IR9804		
Ingredient Allyl isothiocyanate					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OCSPP 850.2100	Avian Acute Oral Toxicity	488241-08	Isagro USA, Inc.	OWN	
OCSPP 850.2200	Avian Dietary Toxicity	488241-08	Isagro USA, Inc.	OWN	
OCSPP 850.1075	Fish Acute Toxicity	488241-08	Isagro USA, Inc.	OWN	
OCSPP 850.1010	Aquatic Invertebrate Acute Toxicity	488241-08	Isagro USA, Inc.	OWN	
OCSPP 850.4100	Terrestrial Plant Toxicity, Seedling Emergence	488241-08	Isagro USA, Inc.	OWN	
OCSPP 850.4150	Terrestrial Plant Toxicity, Vegetative Vigor	488241-08	Isagro USA, Inc.	OWN	
OCSPP 880.4350	Nontarget Insect Testing	488241-08	Isagro USA, Inc.	OWN	
Signature 			Name and Title Amy Plato Roberts, Regulatory Agent		Date August 29, 2012



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Director: OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	December 6, 2019	EPA Reg. No./File Symbol	80289-23	Page 1 of 3	
Applicant's/Registrant's Name & Address: Isagro USA, Inc. 430 Davis Drive, Suite 240 Morrisville, NC 27560		Product IR9804			
Ingredient <i>Allyl isothiocyanate (4901)</i>					
Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1100	Product Identity and Composition	48824101	Isagro USA, Inc.	OWN	
830.1200	Description of Starting Materials, Production and Formulation Processes	48824101	Isagro USA, Inc.	OWN	
830.1400	Discussion of the Formation of Impurities	48824101 51019801	Isagro USA, Inc.	OWN	
830.1600	Description of Materials	51019801	Isagro USA, Inc.	OWN	
830.1700	Preliminary Analysis	48824102 50865401 51019801	Isagro USA, Inc.	OWN	
830.1750	Certified Limits	48824101 50865401	Isagro USA, Inc.	OWN	
830.1800	Enforcement Analytical Method	48824101 48824102	Isagro USA, Inc.	OWN	
830.6302	Color	48824101	Isagro USA, Inc.	OWN	
830.6303	Physical State	48824101	Isagro USA, Inc.	OWN	
830.6304	Odor	48824101	Isagro USA, Inc.	OWN	
830.6313	Stability at Normal and Elevated Temperatures, Metals and Metal Ions	48824101	Isagro USA, Inc.	OWN	
830.6315	Flammability	48824101	Isagro USA, Inc.	OWN	
830.6317	Storage Stability	48824101	Isagro USA, Inc.	OWN	
830.6319	Miscibility	48824101	Isagro USA, Inc.	OWN	
830.6320	Corrosion Characteristics	48824101	Isagro USA, Inc.	OWN	

Signature

Name and Title

Lisa M. Amadio, Principal Regulatory
Consultant

Date

12-6-19



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Director: OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	December 6, 2019	EPA Reg. No./File Symbol	80289-23	Page 2 of 3	
Applicant's/Registrant's Name & Address: Isagro USA, Inc. 430 Davis Drive, Suite 240 Morrisville, NC 27560		Product IR9804			
Ingredient <i>Allyl isothiocyanate (4901)</i>					
Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7000	PH	48824101	Isagro USA, Inc.	OWN	
830.7050	UV/Visible Light Absorption	48824101	Isagro USA, Inc.	OWN	
830.7100	Viscosity	48824101	Isagro USA, Inc.	OWN	
830.7200	Melting Point / Melting Range	48824101	Isagro USA, Inc.	OWN	
830.7220	Boiling Point / Boiling Range	48824101	Isagro USA, Inc.	OWN	
830.7300	Bulk Density	48824101	Isagro USA, Inc.	OWN	
830.7520	Particle Size, Fiber Length and Diameter Distribution	48824101	Isagro USA, Inc.	OWN	
830.7550, 7560, 7570	Partition Coefficient (n-Octanol/Water)	48824101	Isagro USA, Inc.	OWN	
830.7840	Water Solubility	48824101	Isagro USA, Inc.	OWN	
830.7950	Vapor Pressure	48824101	Isagro USA, Inc.	OWN	
870.1100	Acute Oral Toxicity	48824103	Isagro USA, Inc.	OWN	
870.1200	Acute Dermal Toxicity	48824104	Isagro USA, Inc.	OWN	
870.1300	Acute Inhalation Toxicity	48824105	Isagro USA, Inc.	OWN	
870.2400	Primary Eye Irritation	48824108	Isagro USA, Inc.	OWN	
870.2500	Primary Dermal Irritation	48824106	Isagro USA, Inc.	OWN	
870.2600	Dermal Sensitization	48824107	Isagro USA, Inc.	OWN	
870.3100	90-Day Oral	48824108	Isagro USA, Inc.	OWN	
870.3250	90-Day Dermal	48824108	Isagro USA, Inc.	OWN	
870.3465	90-Day Inhalation	48824108	Isagro USA, Inc.	OWN	

Signature

Name and Title

Lisa M. Amadio, Principal Regulatory
Consultant

Date

12-6-19



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Director: OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	December 6, 2019	EPA Reg. No./File Symbol	80289-23	Page 3 of 3	
Applicant's/Registrant's Name & Address: Isagro USA, Inc. 430 Davis Drive, Suite 240 Morrisville, NC 27560		Product IR9804			
Ingredient <i>Allyl isothiocyanate (4901)</i>					
Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3700	Prenatal Developmental	48824108	Isagro USA, Inc.	OWN	
870.5100	Bacterial Reverse Mutation Test	48824108	Isagro USA, Inc.	OWN	
870.5300, 5375	In vitro Mammalian Cell Assay	48824108	Isagro USA, Inc.	OWN	
850.2100	Avian Acute Oral Toxicity	48824108	Isagro USA, Inc.	OWN	
850.2200	Avian Dietary Toxicity	48824108	Isagro USA, Inc.	OWN	
850.1075	Fish Acute Toxicity	48824108	Isagro USA, Inc.	OWN	
850.1010	Aquatic Invertebrate Acute Toxicity	48824108	Isagro USA, Inc.	OWN	
850.4100	Terrestrial Plant Toxicity, Seedling Emergence	48824108	Isagro USA, Inc.	OWN	
850.4150	Terrestrial Plant Toxicity, Vegetative Vigor	48824108	Isagro USA, Inc.	OWN	
880.4350	Nontarget Insect Testing	48824108	Isagro USA, Inc.	OWN	

Signature

Name and Title

Lisa M. Amadio, Principal Regulatory Consultant

Date

12-6-19